

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 36. (Canceled)

37. (Original) A method comprising:

performing error detection on received transformed data;
determining if an error has been found in the transformed data;
determining if the error is associated with a set of protected data; and
identifying a channel associated with the error if the error is associated with a set of protected data.

38. (Currently Amended) The method as in Claim 37, wherein determining if an error has been found includes identifying an error flag which has been set.

39. (Currently Amended) The method as in Claim 38, wherein a plurality of flags is polled to determine ~~an error has occurred~~ if an error has been found.

40. (Currently Amended) The method as in Claim 37, wherein determining ~~an error~~ if an error has been found includes receiving an interrupt indicating an error has occurred.

41. (Original) The method as in Claim 37, wherein determining if the error is associated with a set of protected data includes identifying an encryption key assigned to the set of protected data.

42. (Original) The method as in Claim 41, wherein identifying a channel associated with the error includes identifying a channel assigned an encryption key register.

43. (Original) The method as in Claim 37, further including performing corrective measures to reduce errors related to new data.

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44. (Original) The method as in Claim 43, wherein corrective measures include clearing data buffers.

45. (Original) The method as in Claim 43, wherein corrective measures include re-authenticating encryption.

46. (Currently Amended) A computer readable medium tangibly embodying a program of instructions to manipulate a data processor to:

determine if an underflow error or an overflow error of transformed error correction data has occurred; [[and]]

apply corrective measures when an underflow error or an overflow error has occurred;

and

identifying errors related to protected data.

47. (Previously Presented) The computer readable medium as in Claim 46, wherein determining if the underflow error or overflow error has occurred includes detecting an interrupt generated in response to an underflow error or overflow error.

48. (Previously Presented) The computer readable medium as in Claim 46, wherein determining if the underflow error or overflow error has occurred includes determining if a flag has been set in response to an underflow error or overflow error.

49. (Original) The computer readable medium as in Claim 48, wherein the flag is cleared once it has been read.

50. (Original) The computer readable medium as in Claim 48, wherein individual flags of a plurality of flags are polled to determine if an error has occurred.

51. (Previously Presented) The computer readable medium as in Claim 50, wherein the individual flags relate to different error characteristics.

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52. (Previously Presented) The computer readable medium as in Claim 51, wherein the error characteristics include error types.

53. (Canceled)

54. (Canceled)

55. (Previously Presented) The computer readable medium as in Claim 46, further including determining an error characteristic associated with the underflow error or overflow error.

56. (Original) The computer readable medium as in Claim 55, wherein corrective measures include clearing data buffers.

57. (Canceled)

58. (Currently Amended) The computer readable medium as in ~~Claim 57~~Claim 46, wherein corrective measures include initiating re-authentication.

59. – 69. (Canceled)